

Glizopantenol, D. L.: Klorod i ego polucheniye (Oxygen  
and its Production). Moscow: Gosdizust. Nauchn. Tekh.  
izdatel'svo Khim. Lit. 1951. 343 pp.

~~SHORSHOROV, M. Kh.~~

GLIFANINYO, B. L.

~~Glifaninoye, B. L.~~

"Welding and cutting of metals." B. L. Glifanenko. Reviewed by P. Kh. Shorshorov, Avton. delo, 23, No. 6, 1962

9. Monthly List of Russian Accessions. Library of Congress, November \_\_\_\_\_ 1977. Incl.

DOLGITSER, L.Z.; MORKOVKIN, A.A.; CHERNYAK, V.S.; GLIZMANENKO, D.L., kandidat  
tekhnicheskikh nauk, retsenzent; SERGEYEV, N.P., ~~inzhener~~, redaktor.

[Apparatus and equipment for gas welding and cutting of metals; brief  
manual on operation and repair] Apparatura i oborudovanie dlia gazo-  
plamennoi obrabotki metallov; kratkoe posobie po ekspluatatsii i remontu.  
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry,  
1953. 191 p. (MLRA 7:6)  
(Oxyacetylene welding and cutting)

GLIZMANENKO, D. L.

PHASE X

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 766 - X

BOOK

Call No.: AF653763

Authors: GLIZMANENKO, D. L. and YEVSEYEV, G. B.

Full Title: GAS WELDING AND CUTTING OF METALS

Transliterated Title: Gazovaya svarka i rezka metallov

PUBLISHING DATA

Originating Agency: None

Publishing House: State Scientific and Technical Publishing House of Machine-Building Literature (MASHGIZ).

Date: 1954

No. of pp.: 532

No. of copies: 20,000

Editorial Staff:

Editor - Shoroshov, M. Kh., Kand. of Tech. Sci.

Appraisers - Guzov, S. G., Eng. and Teaching Personnel of the 'Welding Procedure' course at the Kiev Polytechnic Institute.

PURPOSE AND EVALUATION: A textbook for students in machine-building in technical colleges, this book may be also used by foremen, technicians and engineers occupied with welding. By its scope and treatment of the subject and comprehensive presentation of theoretical and practical material, this book may favorably be compared with such recently published books on the subject, as: Welding Process and Procedures, by J. L. Morris (New York, 1954); Metallurgy of Welding, by Walter H. Bruckner (London, 1954); Welding Technology, by F. Kcenigsberger (London, 1953); Modern Welding Practices, by A. D. Althouse,

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Gazovaya svarka i rezka metallov

AID 766 - I

C. H. Turnquist, and others (Chicago, 1942); Welding, Brazing and Metal Cutting by a E. Molloy, et. al., (London, 1953).

TEXT DATA

Coverage: This book thoroughly covers the subject of welding and cutting metals by gases alone. The authors present minute descriptions of modern equipment and apparatus, the materials and technology of gas welding and cutting metals, including gas welding under pressure, hard facing and surface hardening with gas flame, lance cutting technique and submerged cutting. In addition the rules for safety while welding and cutting metals are outlined. The problems of design and methods of calculation in construction of apparatus and equipment for gas welding and cutting metals are given considerable attention. The theoretical aspects are well substantiated with mathematical formulae. Diagrams and many (82) tables. Numerous pictures, sketches, GOST standards and bibliographical material are provided in every chapter.

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PART ONE - OXYGEN, FUELS - APPARATUSES FOR THEIR USE AND PRODUCTION

Ch. I Oxygen, its characteristics. Industrial use of oxygen; methods and equipment for obtaining oxygen from the atmosphere; liquid oxygen, its use in welding and cutting;

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Gazovaya svarka i rezka metallov

AMD 766 - X  
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	design and construction of oxygen and gas-manufacturing plants.	10-40
Ch. II	<u>Calcium Carbide and Acetylene, their physicochemical characteristics.</u> Basic information on production, quality control, storage; dissolved acetylene.	40-65
Ch. III	<u>Acetylene Generators.</u> Classification, design - continuous action, stationary and mobile types; dry and wet safety valves; chemical scrubbers; acetylene gas-manufacturing plants.	65-116
Ch. IV	<u>Fuels</u> - Substitutes of acetylene. Characteristics and pertinent data.	116-122
Ch. V	<u>Gas Cylinders, Regulators and valves for compressed gases.</u> Design, underlying theory, classification, tests; explosions of the cylinders.	122-147
Ch. VI	<u>Gas pipelines and equipment for distribution of gases.</u> Design and materials used for pipes, tubing, fittings, etc.	147-159
PART TWO -	FLAMES OF COMBUSTIBLE GASES MIXED WITH OXYGEN	
Ch. VII	<u>Process of combustion, chemical characteristics of the oxy-acetylene flame.</u>	160-173

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Ch. VIII	<u>Thermal characteristics of flame.</u> Flame temperature, heat transfer from flame to metal; heat distribution from simple and complicated burners; effective heating power of flame; thermal efficiency in metal smelting by flame; thermal efficiency of oxy-gas welding.	174-214
PART THREE	- GAS WELDING	
Ch. IX	<u>Welding Torches.</u> Theory, design and classification.	215-234
Ch. X	<u>Metallurgical Process and Metallography of Gas Welding.</u> Interaction between the flame and metal; fusing agents, welding admixtures; macro- and microstructural changes in welds; defects in finished welds.	235-265
Ch. XI	Gas Welding Technology. Various types of welding and methods of junctions, preparation and procedure.	266-278
Ch. XII	<u>Welding of Structural Carbon and Alloy Steels.</u> Distinctive features in welding high, medium and low-alloy steels.	278-292
Ch. XIII	<u>Welding Cast Iron.</u> Soldering of cast iron with brass; special cases of welding cast-iron pieces.	293-298
Ch. XIV	<u>Welding Non-ferrous Metals.</u> Copper, brass, bronze, aluminum and its alloys; welding of lead, magnesium, nickel and their alloys.	299-319

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Gazovaya svarka i rezka metallov

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Gazovaya svarka i rezka metallov

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Ch. XXI	<u>Cutting oxygen spray and types of cutting nozzles.</u> Flow and form of oxygen spray, effect on quality and efficiency of cutting.	387-390
Ch. XXII	<u>Apparatuses and equipment for oxygen cutting.</u> Hand-operated torches and mechanically guided torches; technological advantages of mechanized oxygen cutting; ways and means of increased production by oxygen cutting machines; special machines for oxygen cutting.	391-445
Ch. XXIII	<u>Technology of oxygen cutting of steel.</u> Techniques of cutting steel with oxygen under low pressure; cutting thin steel and forged steel; cutting steel of considerable thickness (600 mm and up) and structural steels; precision attainable in oxygen cutting.	446-480
Ch. XXIV	<u>Oxygen cutting with flux.</u> Equipment used; cutting chromium steel and chrome-nickel steels; cutting cast-iron and non-ferrous metals.	481-498
Ch. XXV	<u>Submerged cutting.</u> Gases and torches used under water.	499-502
Ch. XXVI	<u>Surface oxygen cutting.</u> Use in steel rolling mills; flame machines, torches and techniques used; surface oxygen-flux cutting of non-corrosive and heat-resisting steels.	503-513

ELIZABETH, L. A. Y. L. 1955.

405  
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20.5

STANLEY R. ZEN. 1955. LOW W. 1955. 1955. 1955.  
1. 3, 1955. 1955, 1955, 1955. 1955. 1955.  
1955. 1955. 1955. 1955.  
"SPISCH LIT. 1955": 1. 425

GLIZMANENKO, Dmitriy L'vovich; AYZKNSHTAT, I.I., redaktor; SHEPAE, Ye.G.,  
tekhnicheskiiy redaktor.

[Production of oxygen] Poluchenie kislороda. Izd.2-oe, perer. i  
dop. Moskva, Gos.nauchno-tekhn.izd-vo khim. lit-ry, 1956. 435 p.  
(Oxygen) (MLRA 9:5)

PHASE I BOOK EXPLOITATION

Glizmanenko, Dmitriy L'vovich

Gazovaya svarka i rezka metallov (Oxyacetylene Welding and Cutting)  
3rd ed., rev. Moscow, Trudrezervizdat, 1957. 226 p. 50,000  
copies printed.

Scientific Ed.: Letnev, B.Ya.; Ed.: Shur, D.S.; Tech. Ed:  
Matusevich, N.L.

PURPOSE: This monograph is the 3rd edition of a textbook for students  
of the FZO schools of the Soviet labor reserve system who are taking  
a six-month course in oxyacetylene welding and cutting.

COVERAGE: The textbook deals with the following topics from the field  
of oxyacetylene welding and cutting: the basic concepts of the  
oxyacetylene welding process, the equipment used, fields of appli-  
cation, the technology of the process, welding of ferrous and non-

Card 1/8

Oxyacetylene Welding and Cutting 984  
ferrous metals, oxygen cutting, defective welds and methods of  
correcting them, organization of welding operations and safety  
precautions. No personalities are mentioned. There are no ref-  
erences.

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  14. Acetylene and other fuel gases
  15. Filler wire, rods and fluxes
- Ch. III. Equipment and Apparatus for Gas Welding
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  17. Acetylene generators
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  19. Safety traps and chemical purifiers

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PHASE I BOOK EXPLOITATION

984

Glizmanenko, Dmitriy L'vovich

Gazovaya svarka i rezka metallov (Oxyacetylene Welding and Cutting)  
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Card 1/8



GLIZMANENKO, Dmitriy L'vovich; AYZHNSHTAT, I.I., redaktor; SHPAK, Ye.G.,  
tekhnicheskiiy redaktor.

[Production of oxygen] Poluchenie kislороda. Izd.2-oe, perer. i  
dop. Moskva, Gos.nauchno-tekhn.izd-vo khim. lit-ry, 1956. 435 p.  
(Oxygen) (MLBA 9:5)

Oxyacetylene Welding and Cutting 984

ferrous metals, oxygen cutting, defective welds and methods of correcting them, organization of welding operations and safety precautions. No personalities are mentioned. There are no references.

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AVAILABLE: Library of Congress

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ACHERKAN, N.S., zasluzhennyy deystel' nauki i tekhniki, red.; BOGUSLAVSKIY,  
B.L., prof. red.; GLIZMANENKO, D.L., kand. tekhn. nauk, red.;  
RABINOVICH, B.V., kand. tekhn. nauk, red.; SASOV, V.V., kand. tekhn.  
nauk, red.; STANKEVICH, V.G., inzh., red.; STOROZHEV, M.V., kand.  
tekhn. nauk, red.; GOKUNA, V.B., red.; SOKOLOVA, T.P., tekhn. red.

[Present-day trends in the manufacturing of engineering equipment;  
a collection] Sovremennye napravleniya v oblasti konstruirovaniya  
tekhnologicheskogo oborudovaniya; sbornik. Moskva, Gos. nauchno-  
tekhn. izd-vo mashinostroy. lit-ry, 1957. 265 p. (MIRA 11:2)  
(Machine tools)

2/10/57  
GOKUN, B.V., redaktor; ACHERKAN, N.S., zasluzhennyy deyatel' nauki i  
tekhniki, redaktor; BOGUSLAVSKIY, B.L., professor, redaktor;  
~~GLIZMANENKO, D.I.~~, kandidat tekhnicheskikh nauk, redaktor;  
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RAKHSHTADT, A.G., kandidat tekhnicheskikh nauk, redaktor;  
SASOV, V.V., kandidat tekhnicheskikh nauk, redaktor; STOROZHEV, M.V.,  
kandidat tekhnicheskikh nauk, redaktor; SOKOLOVA, T.F., tekhnicheskii  
redaktor.

[Present-day trends in machine manufacturing; a collection of  
articles] Sovremennye napravleniya v oblasti tekhnologii mashino-  
stroeniya; sbornik. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.  
lit-ry, 1957. 363 p. (MIRA 10:11)

(Machine industry)

*GLIZMA-  
MEMKO*  
ACHMERKIN, N.S., zasluzhennyy deyatel' nauki i tekhniki, redaktor; GLIZMA-  
MEMKO, D.L., kandidat tekhnicheskikh nauk, redaktor; RABINOVICH,  
B.V., kandidat tekhnicheskikh nauk, redaktor; STANKOVICH, V.G.,  
inzhener, redaktor; STOROZHEV, M.V., kandidat tekhnicheskikh nauk,  
redaktor; GOKUN, V.B., redaktor; BARYKOVA, G.I., redaktor  
izdatel'stva; SOKOLOVA, T.F., tekhnicheskii redaktor

[Problems of increasing labor productivity in the machinery industry;  
a collection of articles] Voprosy povysheniia proizvoditel'nosti  
truda v mashinostroenii; sbornik. Moskva, Gos. nauchno-tekhn. izd-  
vo mashinostroit. lit-ry, 1957. 510 p. (MIRA 10:11)  
(Machinery industry) (Labor productivity)

GLIZMANENKO, D.L., nauchnyy red.; KULAGINA, Z.N., red.; KOLHSHNIKOVA, A.P.,  
tekhn.red.

[Practices of leading workers in oxygen production] Opytperedovokov kislородnogo proizvodstva. Moskva, TSentr. biuro tekhn. informatsii. No.2. 1957. 32 p. (MIRA 12:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kislородnogo mashinostroyeniya.

(Oxygen)

GLIZMANENKO, D. I.

67-1-16/20

AUTHOR:

Glizmanenko, D. I., Candidate of Technical Sciences, Con-  
sultant

TITLE:

Answer to Letter to the Editor (Otvety chitatel'nyam)  
To the Workers of the Gas Plant in Pushun (Chinese People's  
Republic) (Kak delat' rabotu na gazovom zavode kishlorodnogo za-  
voda KMR)

PERIODICAL:

Kishlorod, 1967

№ 1, 2, 3 - 4 (USSR)

ABSTRACT:

PROBLEM: The plant is developing with air compression, how can  
it be utilized for producing distilled water?  
ANSWER: The distilled water, which is used for the lubrica-  
tion of oxygen compressors, can be obtained under conditions  
which are mentioned in the title of a special distiller  
(according to a patent application). The air compressed up  
to 10 atmospheres, which releases a tempera-  
ture of 100°C, is directed from the first stage of the  
compressor into a tank in the lower part of the  
distiller. This causes the boiling of water. The water is  
condensed in a condenser and the condensed water is con-

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57-1-15/20  
Answer to Letters to the Editor. To the Workmen of the Oxygen Plant in  
Fushan (Chinese People's Republic)

dicted out of the distiller. The department Giprokhislord  
has designed such construction of a distiller for a capacity  
of 20 l/h, the respective draughts can be obtained if wanted.  
The distiller has a height of 2300 mm and a diameter of  
180 mm; it weighs 700 kg and consumes 740 m<sup>3</sup>/h of the heat-  
ing air. Questions can be directed to: Giprokhislord (Moscow,  
M-4, Ulitsa Novaya, 11). There is 1 figure.

AVAILABLE: Library of Congress

1. Water distillation 2. Oxygen compressors

Card 1/2

STRIZHEVSKIY, Iosif Isaakovich; GUZOV, Samson Getsoovich; KOVAL'SKIY,  
Veniamin Aronovich; GLIZMANENKO, D.L., kand.tekhn.nauk, red.;  
SOBOLEVA, G.N., red.izd-va; MODEL', B.I., tekhn.red.

[Acetylene producing and distributing centers] Atsetilenovye  
stantsii. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostr.lit-ry, 1959. 291 p. (MIRA 12:10)  
(Acetylene)

RIPS, S.M.; GLIZMANENKO, D.L., kand.tekhn.nauk, retsenzent; LEBEDEV, M.Ye.,  
kand.tekhn.nauk, red.; ALAVERIOV, Ya.G., red.izd-va; CHERNOVA,  
Z.I., tekhn.red.

[Storage, transportation, and gasification of oxygen] Khranenie,  
transportirovka i gazifikatsiya kisloroda. Moskva, Gos.nauchno-  
tekhn.izd-vo mashinostroit.lit-ry, 1959. 382 p. (MIRA 13:2)  
(Liquid oxygen)



BRODIANSKIY, Viktor Mikhaylovich; MEYERZON, Frina Isaakovna; GLIZMANENKO,  
D.L., dotsent, retsenzent; ISHKIN, I.P., prof., red.; LANOVSKAYA,  
M.R., red.izd-va; VAINSHTEYN, Ye.B., tekhn.red.

[Production of oxygen] Proizvodstvo kisloroda. Moskva, Gos.  
nauchno-tekhn.izd-vo lit-ry po chernoi i tavotnoi metallurgii,  
1950. 469 p. (MIRA 14:1)

(Oxygen)

PHASE I BOOK EXPLOITATION

Glizmanenko, Dmitriy L'vovich, and Georgiy Borisovich Yevseyev  
Gazovaya svarka i rezka metallov (Gas Welding and Cutting of Metals)  
2d ed., rev. Moscow, Mashgiz, 1961. 447 p. 65,000 copies  
printed.

Reviewer: K. V. Vasil'yev, Candidate of Technical Sciences; Ed.:  
M. Kh. Shorshorov, Candidate of Technical Sciences; Ed. of Pub-  
lishing House: O. V. Chernyak; Tech. Ed.: Z. I. Chernova;  
Managing Ed. for Literature on Heavy Machine Building: S. Ya.  
Golovin, Engineer.

PURPOSE: This textbook, approved by the Ministry of Higher and  
Secondary Special Education RSFSR, is intended for students  
specializing in welding at mechanical-engineering schools of  
higher education; it may also be used by engineers, technicians,  
and foremen-welders.

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Gas Welding (Cont.)

SOV/5616

COVERAGE: Problems in gas welding and cutting are discussed, with particular attention to descriptions of constructions, equipment and accessories, and the materials used. The following processes are reviewed: welding, cutting, brazing, soldering, and surface hardening by application of an oxyacetylene flame. The present edition, which has been somewhat condensed, discusses non-Soviet experience in the flame machining of metals and recent equipment designs. Sections relating to the welding of cast iron and nonferrous metals have been revised. The book is based on the lecture material of the course "Gas Welding and Cutting of Metals", offered to students specializing in welding at the Moscow Higher Technical School im. Bauman, in a program approved for mechanical engineering schools of higher education. In preparing the present edition, the authors made use of remarks and observations forwarded to them by the welding departments of the Tomskiy, Chelyabinskiy, Kiyevskiy, Ural'skiy, L'vovskiy, and Leningradskiy politekhnicheskiye instituty (Tomsk, Chelyabinsk, Kiyev, Ural, L'vov, and Leningrad Polytechnic

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Gas Welding

GLIZMANENKO, Dmitriy L'vovich; YEVSEYEV, Georgiy Borisovich; SHORSHOROV,  
M.Kh., kand. tekhn. nauk; VASIL'YEV, K.V., kand. tekhn. nauk,  
retsensent; CHERNYAK, O.V., red. izd-va; CHERNOVA, Z.I., tekhn.  
red.

[Gas welding and cutting of metals] Gazovaya svarka i rezka metal-  
lov. Izd.2., perer. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.  
lit-ry, 1961. 447 p. (MIRA 14:8)

(Gas welding and cutting)

GLIZMANENKO, D.L., kand.tekhn.nauk

"Brief handbook on gas welding and cutting" by M.S. Nikitin, L.Z.  
Dolgitser. Svar. proizv. no.4:45-46 Ap '61. (MIRA 14:3)  
(Gas welding and cutting--Handbooks, manuals, etc.)  
(Nikitin, M.S.) (Dolgitser, L.Z.)

GLIZMANENKO, D.L., kand.tekhn.nauk

"Equipment and techniques in gas welding and cutting" by  
G. L. Petrova, N.G. Burova. Reviewed by D.L. Glizmanenko.  
Svar. proizv. no.8:45-46 Ag '61. (MIRA 14:8)  
(Gas welding and cutting)  
(Petrova, G.L.)  
(Burova, N.G.)

ASINOVSKAYA, Gnesya Abramovna; ZELIKOVSKAYA, Nataliya Mikhaylovna;  
KOROVIN, Andrey Ivanovich; KRAVETSKIY, G.A.; NEMKOVSKIY,  
I.A.; OFITSEROV, D.M.; TESMENITSKIY, D.I.; FISHKIS, M.M.;  
SHAPIRO, I.S.; GLIZMANENKO, D.L., kand. tekhn. nauk, red.;  
KLIMOVICH, Yu.G., red.; DORODNOVA, L.A., tekhn. red.

[Flame metalworking processes] Gazoplamennaya obrabotka metal-  
lov. [By] G.A. Asinovskaya i dr. Moskva, Proftekhizdat, 1962.  
556 p. (MIRA 16:3)

(Gas welding and cutting) (Flame hardening) (Metal spraying)

GLIZMANENKO, Dmitriy L'vovich; TSEGEL'SKIY, V.L., nauchnyy red.;  
GORJUNOVA, L.K., red.; DORODNOVA, L.A., tekhn. red.

[Welding and cutting of metals] Svarka i rezka metallov. Izd. 5.,  
perer. Moskva, Proftekhizdat, 1962. 447 p. (MIRA 16:1)  
(Electric welding) (Electric metal cutting)



GUZOV, Samson Getsoovich; STRIZHEVSKIY, Iosif Isaankovich; CHERNYAK,  
V.S., inzh., retsenzent; GLIZMANENKO, D.L., kand. tekhn. nauk,  
red.; POCHTAREVA, A.V., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Safety measures in the gas welding and cutting of metals] Tekhnika  
bezopasnosti pri gazoplamennoi obrabotke metallov. Izd.2., perer. i  
dop. Moskva, Mashgiz, 1962. 287 p. (MIRA 15:6)  
(Gas welding and cutting--Safety measures)

GLIZMANENKO, D.L., kand.tekhn.nauk; KLEBANOV, G.N., kand.tekhn.nauk

"German-Russian Dictionary on Welding" by I.N.Grabov. Reviewed  
by D.L.Glizmanenko, G.N.Klebanov. Svar. prelav. no.4:46-47 Ap

163.

(MIRA 16:5)

(Welding--Dictionaries) (German language--Dictionaries--Russian)  
(Grabov, I.N.)

PHASE I BOOK EXPLOITATION

SOV/6074

Glizmanenko, Dmitriy L'vovich

Polucheniye kislороda (Oxygen Production) 3d ed., rev. Moscow, Goskhim-izdat, 1962. 591 p. 22,000 copies printed.

Ed.: Yu. V. Petrovskiy; Tech. Ed.: V. V. Kogan.

PURPOSE: This book is intended for students in industrial engineering courses and training schools for oxygen-plant foremen. It may also be used as a training manual for workers in oxygen production in machinery, metallurgical, chemical, and other enterprises.

COVERAGE: The book is an enlarged version of an earlier edition (1956) dealing with oxygen production technology. It has been revised in view of the present level of oxygen production in Soviet and non-Soviet countries.

Descriptions of the following equipment are new to the third edition: 1) ZhA-20,

Card 1/9

# Oxygen Production

SOV/6074

based on the SKDS-17 design, produces ~20 liters of liquid nitrogen per hour; 2) KGN-30T, intended for operation under tropical conditions, differs from KGN-30 by the presence of equipment for utilizing dry waste nitrogen in the nitrogen-water system for supplementary cooling of compressed air entering the drying block; 3) UAKGS-780, based on UKGS-100 design, produces 320 m<sup>3</sup> of 99.8% dry nitrogen, 180 m<sup>3</sup> of 99% moist nitrogen, and 75 m<sup>3</sup> of 99.2 to 99.5% oxygen per hour; 4) KGSN-100, a further modification of the UKGS-100, has same capacity as the latter but is equipped with an oxygen pump instead of two oxygen compressors; 5) KG-300M [diagram given], a two-pressure unit, is designed to produce 275 to 300 m<sup>3</sup> of oxygen per hour; 6) KT-3600Ar is similar to KT-3600 but is equipped to extract 0.1% krypton and raw argon; and 7) BR-4A is similar to KT-3600 but is equipped to extract 99.8% nitrogen and 0.1% krypton concentrate.

The diagram of a high-pressure oxygen plant with a capacity of 150 to 2000 kg of liquid oxygen per hour is given. No personalities are mentioned. There are 11 references, all Soviet.

Card 2/6

GLEIMANENKO, D.I., kand.tekhn.nauk.

Review of the book by A.I.Brodskii "Using propane and butane in metal welding and cutting." Svar.proizv. no.10:45 0 '62.

(MIRA 28:1)



KLYACHKIN, Ya.L., kand. tekhn. nauk; GILMANENKO, D.L., kand.  
tekhn. nauk, retirement

[Welding of nonferrous metals and their alloys] Svarka  
tsvetnykh metallov i ikh sployov. Moskva, Mashinostro-  
enie, 1964. 334 i. (MIRA 17:10)

GLIZMANENKO, Dmitriy L'vovich; CHEFENYAK, V.S., nauchn. red.;  
MORRETSOV, A.M., red.

[Gas welding and cutting of metals] Gazovaya svarka i  
rezka metallov. 1-4.4. Moskva, Vysshaya shkola, 1964.  
307 p. (U.S.A 1962)



GLIZMANENKO, B.I., kand. tekhn. nauk

Review of the book "Separation of Air by Deep Cooling." Khim. i  
n-ft. mashinost. no. 1145 Ja '65. (MIRA 23 3)

100-443887-100

Barlowe and Wilkerson, *J. R. Topogr. A* no. 170-71 p. 165.  
(MIRA 18:8)

(MIRA 13:3)

ACC NR: AM6008007

Monograph

UR/

Glizmanenko, Dmitriy L'vovich

Production of oxygen (Polucheniye kisloroda) 4th ed. rev. and enl. Moscow, Izd-vo "Khimiya", 65. 0750 p. illus., biblio. index. diagrs. (in portfolio). Errata slip inserted. 15,000 copies printed.

TOPIC TAGS: liquid oxygen, chemical plant equipment, oxygen production

PURPOSE AND COVERAGE: The book presents fundamentals of oxygen production and information on auxiliary materials. It describes the equipment, apparatus, and processes in the production of oxygen from air, and the means and methods for production control and accident prevention. The book includes diagrams and technical characteristics of the latest equipment used in the production of oxygen, nitrogen, and rare gases. The book is intended for personnel attending industrial training courses or schools preparing skilled workers. It may also be used for individual and group instruction of maintenance personnel at oxygen plants and units of chemical, metallurgical, and machinery industry enterprises.

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ACC NR: AM6008007

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Ch. VII. Purification and drying of air and oxygen--379  
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Ch. IX. Pipelines and fittings of oxygen plants--495  
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Ch. XI. Filling of cylinders--572  
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SUB CODE: 07 / SUBM DATE: 06Aug65/ ORIG REF: 016

Card 2/2

BRODSKIY, Arkadiy Yakovlevich, kand. tekhn. nauk; NIKOLAYEV, G.A., za-  
sluzhennyy deystel' nauki i tekhniki, prof., retirent; GLIZ-  
MANENKO, D.L., kand. tekhn. nauk, nauchnyy red. KUZNETSOVA,  
M.N., red. izd-va; TEMKINA, Ye.L., tekhn. red.

[Welding of reinforcements for reinforced-concrete constructions]  
Svarka armatury zhelezobetonnykh konstruktsii. Moskva, Gos. izd-  
vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 378 p.  
(MIRA 14:1)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury  
SSSR (for Nikolayev)  
(Concrete reinforcement--Welding)

GLOBA, A.G.

Practices in improving hygienic working conditions at a mercury-rectifier electric power substation in Krasnodar. Gig. i san. no. 8:52 Ag '53.

(MLHA 6:9)

1. Krasnodarskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya i kafedra gigiyeny Kubanskogo meditsinskogo instituta.

(Krasnodar--Electric power station) (Electric power station--Krasnodar)  
(Industrial hygiene)

GLOBA, A.S., inzh.

Building a powerful coke oven battery. Mont.i spets.rab.v stroi.  
23 no.8:10-12 Ag '61. (MIRA 14:8)

1. Lipetskoye upravleniye tresta Koksokhimmontazh.  
(Lipetsk--Coke ovens)

GLOBE, B.A.

Voltage transformer of 0,1 precision class. Atom.i prib.  
no.3:64-65 J1-S '62. (MIRA 16:2)

1. Kiyevskiy zavod tekhnicheskikh elektropriborov.  
(Electric transformers)



1. The first part of the document is a list of the names of the individuals who were involved in the project. The names are listed in alphabetical order. The names are: [illegible]

**AUTHORS:** Borovkov, K. A., Glushko, F. P., Orlov, I. D. 15.04.56

**TITLE:** The Work of the Fire-Clay Burning Plant of the Suvorovskoye Mine Management (Rabota shakhtobukhtovskoy ustanojki Suvorovskogo rudoupravleniya)

**PERIODICAL:** Ogneupory, 1956, Vol. 25, No. 5, pp. 20-21 (USSR)

**ABSTRACT:** In order to supply the works for refractory products situated in the vicinity of Moscow with high-grade fire-clay, in the Suvorovskoye mine management a fire-clay burning plant (Shakhtobukhtovskaya ustanojka) was constructed. Its first part, consisting of a rotary kiln, was started at the end of 1956. The kinds of clay from the deposit Suvorovskoye, divided into groups, and kinds according to TUO 17-50 are named in the table. The projected capacity of the first part of the plant is 10000 t of fire-clay per year. The production process can be seen in figure 1 and is then described in detail. It is entirely mechanized. In figure 2 automatic scales are shown. The rotary burning kiln of 60 m length and 3 m diameter has an hourly output of 12.5 t of fire-clay (figure 3). From the burning kiln the fire-clay comes into a drum radiator of 25 m length and 2.5 m diameter, where it is cooled down to 60-80°C. At the end of the drum radiator there

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The Work of the Fire-Clay Burning Plant of the Suvorovskoye 131-23-5-4/16  
Ore-Mine Management

is a grid which sorts out the large pieces of fire-clay, which are carried to the crusher (figure 4). The crushed fire-clay is brought to the magnet separators of the AM-410 type by means of bucket elevators of the TsB-350 type, in which magnet separators metal inclusions coming in by accident are separated. The burning kiln is heated by powdered coal. By means of a feeder of the L-4 type the coal is brought to the crusher of the DVD-2 type. The coal from the Moscow coal-basin is dried, for which process the waste gases from the coal firings are used. At the outlet of the coal rotary drier there is an exhaustor of the D-4 type which sucks the flue gases through 2 cyclons and an electrical precipitator of the UVP-9.9 type for the purpose of eliminating the coal dust. In figures 5 and 6 an aeropulverizer for coal is shown. Furthermore difficulties in the furnace lining are described. The plant is also equipped with a measuring control apparatus, which permits to control continuously the temperatures and atmospheric pressure. Also an automatic regulation of the production processes is introduced. In 1957 in this plant 83.5 thousand tons of fire-clay were produced, the output in three months rising from 18.8 to 22.8 thousand tons. The quality of the fire-clay according to

Card 2/3

The Work of the Fire-Clay Burning Plant of the Suvorovskoye 131-23-5-4/16  
Ore-Mine Management

TUO 45-57 is quoted in the table. The cost-price of 1 ton of fire-clay was reduced by 17.3% in the first year. Further reductions are expected. By this plant the works for refractory production in Moscow's neighbourhood have obtained a safe fundament for fire-clay supply and at prices which are lower than the cost-price of fire-clay which formerly was burned in annular kilns by the works themselves. At the expense of the capacity of the annular kilns having become free the output of refractory products can be increased. Railway transport has been released by the transport of the quantity of water which is in the clay. There are 6 figures, 3 tables.

ASSOCIATION: Suvorovskoye rudoupravleniye(Suvorovskoye Ore-Mine Management)

AVAILABLE: Library of Congress

1. Refractory materials - Processes
2. Industrial plants - Work functions

Card 3/3

ГРЕБА, Е.П. ГРЕБА, Л.П.

Study of the conditions of inactivating AFRP influenza  
virus with ultraviolet rays for obtaining interferon.  
Mikrobiol. zhurn. 27 no.5:49-55 '66. (1966) 18:10

1. Institut Infektsionnykh bolezney Ministerstva zdorov'ya SSSR  
Moskva, U.S.S.R.

L 57519-65 EWP(e)/EWT(m)/EWP(w)/EPF(c)/EWA(d)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/  
Pf-4 IJP(c) MJW/JD/HW/WB

ACCESSION NR: AR5013020

UR/0137/05/000/004/1055/1055

669.15.018.85:621.762:621.78

SOURCE: Ref. zh. Metallurgiya, Abs. 41346

AUTHOR: Solonin, S. M.; Globo, L. V.

TITLE: Investigation of the effect of heat treatment on the properties of a porous stainless steel.

CITED SOURCE: Tr. 7 Vses. nauchno-tekhn. konferentsii po poroshk. metallurgii. Yerevan, 1964, 200-206

TOPIC TAGS: powder metallurgy, stainless steel, metal corrosion, metal mechanical property

TRANSLATION: Investigations were conducted with specimens made of sintered reduced powders of Kh17N8, Kh30, OKh18N9, and Kh23N18 with a porosity of 15, 25, 35, and 45.

strength and corrosion resistance as compared with the industrial method for treat-

Card 1/2

L 57519-65

ACCESSION NR: AR5013020

ing these steels (slow cooling in a muffle after sintering). Accelerated cooling of these steels from the sintering temperature also considerably increases strength and corrosion resistance. It is established that there is a considerable hardening

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KOCHO, V.S., doktor tekhn. nauk; GRANKOVSKIY, V.I., kand. tekhn. nauk;  
PERELOMA, V.I., inzh.; DRYAPIK, Ye.P., inzh.; TEPLITSKIY,  
B.M., inzh.; GLOBA, N.I., inzh.; STREL'CHENKO, Yu.G., inzh.

Heating open-hearth furnaces with hot natural gas. Met. i  
gornorud. prom. no.5:65-66 S-0 '63. (MIRA 16:11)

1. Kiyevskiy politekhnicheskii institut (for Kocho,  
Grankovskiy, Pereloma). 2. Kommunarskiy metallurgicheskii  
zavod (for Dryapik, Teplitskiy, Globa, Strel'chenko).

KOCHO, V.S., GRANKOVSKIY, V.I., PERELOMA, V.A.; ANTOSYAE, V.G.; DRYAPIK,  
Ye.P., PEPLITSKIY, B.M., GLOBA, N.I.; STRELICHENKO, Ye.G.

Temperature conditions of an open hearth furnace heated with  
self-carburizing natural gas. Stal' 24 no.10:892-893 O '64.

(MIRA 17:12)

1. Kiyevskiy politekhnicheskiy institut i Kommunisticheskiy metallurgicheskiy  
zavod.

KOCHO, V.S., doktor tekhn. nauk; GRANKOVSKIY, V.I.; PERELOMA, V.A.;  
NAYDEK, V.L.; PRYADKIN, L.L.; GLOBA, N.I.; MOSLASHVILI, V.V.

Intensification of the operation of open-hearth furnaces by the  
combined feeding of oxygen and compressed air, Met. i gorodud.  
prom. no.3:75-76 My-Je '65. (MIRA 18:11)

PLETENEVA, N.B., kand.tekhn.nauk; GLOBA, T.V., nauchnyy sotrudnik.

Effect of the chlorine-ion on the electrolytic refining of lead.  
TSvet.met. 27 no.5:53-54 S-0 '54. (MIRA 10:10)

1. Gintsvetmet.

(Chlorine) (Lead--Electrometallurgy)

PLETENEVA, N.B.; GLOBA, T.V.

Effect of surface-active additives on electrolytic lead refining.  
TSvet.met. 29 no.4:49-54 Ap '56. (MLRA 9:8)  
(Lead--Electrometallurgy)

Global, T.V.

137-58-4-6830

Translation from Referativnyy zhurnal. Metallurgiya, 1958, No. 4, p. 74, USSR.

AUTHORS Ploteney, N.B.; Global, T.V.

TITLE Producing High-purity Lead (Polucheniye svintsya vysokoy chistoty)

PERIODICAL Byul. Tsentral'naya informats. M-va tsyetr. metallurg. SSSR, 1957, No. 1, pp. 13-14

ABSTRACT High-purity lead was obtained by electrolytic refining of Pb in a bath with a diaphragm separating the cathode and anode spaces, and by extreme purification of the catholyte. The Pb subjected to refining had the following % composition: 0.0004 Cu, 0.0017 Ag, 0.005 Bi, < 0.0006 Zn, 2n and 3n, 3b and 8n, 0.0005. Electrolysis was performed in a sulfamic electrolyte containing up to 70-80 g Pb and 60-70 g free sulfamic acid per liter. The electrolysis was performed in a glass bath of 4 liters capacity. The plates were kept in fiberglass sacks. The cathodes consisted of 1.5-2 mm EYa-IT stainless sheet steel. The electrolyte was cleansed in porcelain beakers at 40-50°C with stirring. The plate voltage in electrolysis was 0.8-1.2 v at 25-30°C electrolyte temperature, with 125-130 mm between plates, and D<sub>1</sub> = 1.0-1.4.

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137-58-4-6830

• Producing High-purity Lead

gups/m<sup>2</sup> The tined cathodic Pb had the following % composition  
Cu 0.0001-0.00015 Ag < 0.0001, Bi < 0.0001, As < 0.0001 Sb < 0.0001  
Mn < 0.0001

Lead purification

G S

Card 2/2

AUTHOR: Pleteneva, N.B. and Globa, T.V.

136-4-7/23

TITLE: Additions of surface active substances in the electrolytic refining of copper. (O dobavkakh poverkhnostno aktivnykh veshchestv pri elektroliticheskom rafinirovanii medi.)

PERIODICAL: "Tsvetnye Metally" (Non-ferrous Metals) 1957, No. 4, pp. 32 - 37 (U.S.S.R.)

ABSTRACT: In this article material from the recent book by Butts ((cited) Butts. Copper, monograph, New York, 1954) on the use of surface active agents in electrolytic refining of copper abroad is tabulated and briefly discussed and original work on this subject described. This work was carried out by Gintsvetmet organisation and consisted in the study of the micro-structure of cathodic copper obtained in the presence of various surface active agents. Both pure and works electrolytes were used, the latter being pre-used so as to eliminate the accumulation of surface active agents used at the works. During this it was found that the quality of the deposits improved progressively, and it is concluded that the works electrolyte contained an excess of surface active agents or their decomposition products and this is suggested as the field for research work. A periodic cessation of surface-active agent additions so as to eliminate accumulations is recommended for

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Additions of surface active substances in the electrolytic refining of copper. (Cont.) 136-4-7/23

works. All the normally used surface active agents were found to give good copper deposits, the best being a sulphide-cellulose lye with gelatine or glue in agreement with practical experience. The various surface active agents were characterised by specific grain sizes which persisted with different electrolyte compositions. There are 7 figures. There is 1 non-Slavic reference.

AVAILABLE:

Card 2/2

Roman Lazarovich Melnik, born 1914, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619,

PLETENEVA, N.B.; GLOBA, T.V.

Use of a sulfamine electrolyte for the preparation of pure  
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(MIRA 14:4)

(Lead--Electrometallurgy)

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Electrolytic refining of lead in a sulfamine electrolyte  
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no.15:497-510 '59. (MIRA 14:4)  
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GLOBA, V.A.; GORDIYENKO, I.V.; SHMOTOV, A.P.

Hydrothermal manifestations in the Jurassic sediments of the  
Eastern Sayan Mountains. Geol. i geofiz. no.12:127-134 '64.  
(MIRA 18:6)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.

SHNOTOV, A.P.; GORDIYENKO, I.V.; GLOBA, V.A.

Some characteristics of metamorphism in the boundaries of the  
Okinskiy deep fault (Eastern Sayan Mountains). Izv. AN SSSR.  
Ser. geol. 29 no.11:98-101 N '64. (MIRA 17:12)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk.



GLOBA-MIKHAYLENKO, D. A.

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sel'skokhoz.nauk; GOLUBEVA, I.A., red.; ANTONOVA, N.M., khud.-  
tekhn.red.

[Sochi Arboretum; a guidebook] Sochinskii dendrarii; putevoditel'.  
Moskva, Izd-vo M-va sel'.khoz.SSSR, 1960. 78 p.

(MIRA 14:5)

1. Sochi. Nauchno-issledovatel'skaya opytnaya stantsiya  
subtropicheskogo lesnogo i lesoparkovogo khozyaystva.  
(Sochi--Arboretums)

GLOBA-MIKHAYLENKO, D.A., kand.sel'skokhozyaystvennykh nauk

Propagating cork oak by grafting. Priroda 50 no. 3:100-102  
Mr '61. (MIRA 14:2)

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issledovatel'skogo instituta lesovodstva i mekhanizatsii  
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(Cork tree) (Grafting)

GLOBA-MIKHAYLENKO, D.A.

Biological method for controlling the root rot of cork oak  
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5 no.7:35 J1 '60. (MIRA 16:1)  
(Cork tree--Diseases and pests)  
(Root rot) (Grafting)

GLCBACHEV, O.I.

System of industrial branch centers of scientific and  
technological information in the Polish People's Republic,  
NTI no.2.58-57 '63. (MIRA 12/11)

GLOBACHEV, O.I.

Significance of scientific and technological terminology in the  
development of scientific information work. NPI no. 4-8-11 '63.  
(MIRA 16:10)

GOKHBAUM, L., inzh.; GLOBAY, L., inzh.

Dishwashing machine. Obshchestv.pit. no.9:32-35 S '60.  
(MIRA 13:11)

(Dishwashing machines)

GLOBE Nat., 1.1. (Moskva)

Some problems in the isoperimetric theory for regions with singularities at the boundary. Mat. sbor., 57 no.2:201-214 1962.

(MIRA 15:0)

(Spaces, Generalized) (Inequalities (Mathematics))



S/020/62/147/003/004/027  
B112/B106

AUTHOR: Olebenko, I. G.

TITLE: Convergence of variational processes

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 147, no. 5, 1968, 553 - 556

TEXT: On the basis of previous results (DAN, 132, No. 2 (1965)), the author investigates the convergence rate of minimizing sequences in integral metrics. A region  $\Omega$  is considered, each boundary point of which lies on a cone that is congruent to a fixed cone  $V_n$ :

$$x_2^2 + \dots + x_n^2 = a_0^2 x_1^{2\lambda}, \quad x_1 = a \quad (x_1 \geq 0, \lambda \geq 1, a_0 > 0)$$

$(V_n \subset \overline{\Omega})$ . For functions  $f \in W_p^{(1)}(\Omega)$ , where

$$\|f\|_{W_p^{(1)}(\Omega)} = \|f\|_{L_p(\Omega)} + \| |D^1 f| \|_{L_p(\Omega)},$$

several estimates of the absolute value  $f(P)$  are derived.

Card 1/2

Convergence of functional processes

5/020/62/147/003/004/027  
3112/3186

ASSOCIATION: Mathematics Institute im. V. A. Steklov Akademicheskii  
(Institute of Mathematics imeni V. A. Steklov of the  
Academy of Science USSR)

PRESENTED: April 20, 1962, by S. L. Sobolev, Academician

SUBMITTED: April 12, 1962

Card 2/2

16.3500, 16.4600

S/020/60/132/02/02/067

AUTHOR: Globenko, Y. G.

TITLE: Embedding Theorems for a Region With Zero Salient Points

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 152, No. 2, pp. 251-253

TEXT: A closed n-dimensional region  $V_n$  which is bounded by the surfaces

$$x_2^2 + \dots + x_n^2 = \alpha_1^2 x_1^{2\lambda}, \quad x_1 = a \quad (x_1 \geq 0, \lambda \geq 0)$$

is denoted as a conic body with the parameters  $a, \alpha_1, \lambda$ . Let  $C^{(1)}$  be the set of functions which in the n-dimensional region  $\Omega$  possess continuous partial derivatives up to the order 1. Let  $H_p^{(1)}$  be the set of the functions summable in  $\Omega$  which are obtained by the closure of  $C^{(1)}$  with the norm  $\|f\|_{H_p^{(1)}} = \|f\|_{L_p} + \|Df\|_{L_p}$ , where

$$\|Df\|_{L_p} = \left( \sum_{i=1}^n \int_{\Omega} |f_{x_i}|^p dx_1 \dots dx_n \right)^{1/p}$$

Theorem 1: Every boundary point of  $\Omega$  is assumed to be attainable

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S/C20/60/132/02/02/067

# Embedding Theorems for a Region With Zero Salient Points

by a body which is congruent to a fixed conic body  $V_n$ , possesses the parameters  $a, \alpha, \lambda$  and lies in  $\Omega$ . For

$n < \frac{p-1}{\lambda} + 1$  every function  $f \in W_p^{(l)}$  is continuous in  $\bar{\Omega}$  and it is

$$(2) |f(p)| \leq \frac{C'}{\varepsilon^{\frac{\lambda(n-1)+1}{p}}} \|f\|_{L_p} + C'' \varepsilon \|f\|_{W_p^{(l)}}$$

where  $0 < \varepsilon \leq a$  and  $C', C''$  depend on  $\alpha, \lambda, n, l$  and  $p$

Theorem 2: Let  $\Omega$  satisfy the conditions a.) on the boundary of  $\Omega$  there are finitely many (N) points which are not attainable by straight circular cones. b.) Each of these points has a neighborhood  $K_i (i=1, \dots, N)$  such that in the region  $K_i \cap \Omega$  every point can be attained by parallel motion of the fixed conic body. c.) Every point of

$$\bar{\Omega} = \sum_{j=1}^N K_j \cap \bar{\Omega}$$

is attainable by straight circular cones with given aperture angle and height  $a$ . For

Card 2/4

S/020/60/132/02/02/C67

Embedding Theorems for a Region With Zero Salient Points

$n > \frac{p}{\lambda} + 1$   $W_p$  is embedded in  $L_{\infty}^*$ , where

$$p \leq q^* \quad q = \frac{\lambda(n-1)+1}{\lambda}$$

for every  $f \in W_p^{(0)}$  it holds:

$$(3) \quad \|f\|_{L_{q^*}^*} \leq \frac{M_1}{\varepsilon} \|f\|_{L_p} + M_2 \varepsilon$$

$$M_1 = \frac{\lambda(n-1)+1}{\lambda} \quad M_2 = \frac{\lambda(n-1)+1}{\lambda} + \frac{\lambda(n-1)+1}{\lambda} \quad \varepsilon = \lambda \frac{\lambda(n-1)+1}{\lambda} + \frac{\lambda(n-1)+1}{\lambda}$$

where  $0 < \varepsilon \leq a$ ;  $M_1, M_2$  only depend on  $\lambda, n, l, p$ .

Card 3/4

3/020/60/132/02/02/067  
Embedding Theorems for a Region With Zero Salient Points

The author mentions S. L. Sobolev, V. P. Il'in, V. P. Glushko and S. G. Kreyn. He thanks S. G. Kreyn for the subject and advices. There are 2 Soviet references.

ASSOCIATION: Matematicheskii institut imeni V. A. Steklova AN SSSR  
(Mathematical Institute imeni V. A. Steklov A. USSR)

PRESENTED: January 13, 1960, by S. L. Sobolev, Academician

SUBMITTED: December 28, 1959

Card 4/4

GLOBEVNIK, July

Sixth International Mathematical Olympiad in Moscow. Gra  
mat fiz 11 no.2.90-91 1974.

KUSTOV, A.Ye.; LISKIN, A.Z.; GLOBIN, A.G.

Dedusting industrial spaces and work areas. Metal. eng. 9 n.3:13-15  
(MIRA 17:3)  
Mr '64.

1. Bakal'skiy aglomeratsionny kombinat i Chelyabinskiy nauchno-  
issledovatel'skiy institut gornogo dela.



GLOBIN, N.K.

Automatic device for putting lids on glass jars.

Kons. i ov. prom. 14 no.7:7-8 JI '59. (MIRA 12:9)

1.Olesskiy tekhnologicheskii institut pishchevoy i kholodil'noy  
promyshlennosti.

(Canning industry--Equipment and supplies)

GLOBIN, N.K.

Heating canned food in glass jars during sterilization with  
infrared rays. Kons. i ov. prom. 16 no.11 17-19 N '61.  
(MIRA 14:11)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy  
promyshlennosti.

(Food. Conserv. sterilization)

(Infrared rays - Industrial application)

FAM-YUNG, A.F.; DOROSHENKO, A.G.; GLOBIN, N.K.

Technology of the manufacture of carbonated tomato and apricot  
juices. Kons.i ov.prom. 17 no.7:11-15 J1 '61. (MIRA 15:6)

1. Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy  
promyshlennosti.

(Carbonated beverages)

BESSONOV, A.A.; STEPANOV, P.P.; GLOBIN, N.M.

Electronic devices for the automatic detection and counting of  
defects in yarn. Biul.tekh.-ekon.inform. no.5:44-45 '60.

(MIRA 14:3)

(Yarn-Testing)

(Electronic instruments)